

ABSTRACT

Disclosed is a coating liquid for forming a transparent conductive film, comprising conductive fine particles having an average particle diameter of 1 to 200 nm, silica particles having an average particle diameter of 4 to 200 nm and a polar solvent. The silica particles are in the form of chain silica particles having 2 to 10 silica particles on an average being connected. The content of an alkali in the silica particles is not more than 1000 ppm in terms of an alkali metal M. Also disclosed is a substrate with a transparent conductive film, comprising a substrate, a transparent conductive fine particle layer formed on the substrate and containing conductive fine particles having an average particle diameter of 1 to 200 nm and silica particles having an average particle diameter of 4 to 200 nm and/or chain silica particles having 2 to 10 silica particles on an average being connected, and a transparent film provided on the transparent conductive fine particle layer and having a refractive index lower than that of the transparent conductive fine particle layer. A display device using the substrate with a transparent conductive film is further disclosed. The coating liquid for forming a transparent conductive film is capable of

forming a transparent conductive film having low surface resistance, excellent antistatic properties, excellent electromagnetic blocking properties, high film strength and excellent adhesion to a substrate.